

**ABSTRACT****PROTECTION DEVICE AGAINST VOLTAGE SURGES WITH MOBILE ELECTRODE**

- 5 A protection device against voltage surges, connected between an electric line and earth, comprises a first connecting electrode, a second connecting electrode and a mobile switching electrode for switching between an operating position, in contact with the first connecting electrode, and a switching position, close to the second connecting electrode. An electric dipole, comprising for example a variable resistor and/or a spark arrester,
- 10 connects the mobile electrode to the second connecting electrode. The mobile electrode can be moved by a mechanism, an electromechanical relay and/or a magnetic circuit performing repulsion when the current intensity becomes very high. Separation of the electrodes produces an arc which limits the current flowing in the dipole then, by switching on the second connecting electrode, performs disconnection of the dipole from the circuit
- 15 thus ensuring protection thereof.